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Calendar

Fri., February 23

3:30 p.m. Director's Coffee Break - 2nd floor crossover

4:00 p.m. Joint Experimental Theoretical Physics Seminar - 1 West

Speaker: M. Chanowitz, Lawrence Berkeley National Laboratory
Title: Precision Electroweak Data and the Higgs Boson Mass

Mon., February 26

2:00 p.m. Accelerator Physics and Technology Seminar - (NOTE DATE AND TIME)

Speaker: S. Sawada, KEK
Title: J-PARC Status and Channeling Experiments in Japan for J-PARC and ILC

2:30 p.m. Particle Astrophysics Seminar
Speaker: P. McDonald, University of Toronto
Title: Probing Inflation, Dark Matter, Dark Energy, etc. Using the Lyman-Alpha Forest

3:30 p.m. DIRECTOR'S COFFEE BREAK

4:00 p.m. All Experimenters' Meeting
Special Topics: Streamlining CDF Shift Operations; Adaptive RF Correction in the Recycler

[Click here](#) for NALCAL, a weekly calendar with links to additional information.

Weather



Cloudy 35°/25°

Extended Forecast

Weather at Fermilab

Current Security Status

Secon Level 3

Wilson Hall Cafe

Feature

Watch out: Trojans disguise computer viruses and worms

This is the first story in a two-part series about computer security at Fermilab.



Named after the mythical Trojan horse, computer trojans contain malicious code, such as viruses or worms.

Gene Fisk of DZero had a tough start to his new year. In the first week of January, a good friend and physics colleague had passed away, and he'd spent several days contacting physicists about the funeral. So when he sat down in his office the morning of January 9th and found an e-mail greeting card in his inbox, he opened it. "Under normal circumstances, it's something I wouldn't have done," said Fisk. But when he did, instead of a sympathetic message, he found that the card wouldn't launch. Within moments, his server connection had disappeared.

The message was an e-mail phishing scam intended to compromise Fisk's computer. It downloaded a file, called a trojan, which installed an internet relay chat on Fisk's computer. This IRC allowed the attacker to remotely control the computer while blending in among its legitimate applications. "They hide in plain sight," said Joe Klemencic,

ILC NewsLine

Road to the ILC: Convincing our colleagues

This column is written by Barry Barish, director of the ILC Global Design Effort.



Jon Bagger presented the ILC at the AAAS annual meeting.

Now that we have released our draft Reference Design Report for the ILC, our short-term focus is on completing and finalizing the RDR. This will involve completing some unfinished work, undergoing international reviews and then revising and finalizing the reference design and costing.

[Read More](#)

Readers Write

Greetings from Boston



Fermilab physicist Herman White (right) sent this picture as a follow-up to [yesterday's](#) story about the joint meeting between the NSBP and the NSHP in Boston.

Dear FT:

Things are going well at the conference. In the photo, I am standing next to Dianne Engram of Fermilab's EOO department. The young man to the left is Jaime Farrington-Zapata, a 2002 summer intern at Fermilab who worked in the

Friday, February 23

-New England Clam Chowder
 -Black & Blue Cheese Burger
 -Mardi Gras Jambalaya
 -Swedish Meatballs
 -Bistro Chicken & Provolone
 Panini
 -Assorted Slice Pizza
 -Carved Top Round of Beef

[Wilson Hall Cafe Menu](#)

Chez Leon**Wednesday, February 28 Lunch**

-Northern Italian Lasagna
 -Caesar Salad
 -Cassata

Thursday, March 1 Dinner

-Seafood Soup
 -Grilled Duck Breast w/Pan
 Asian Flavors
 -Brown Rice Medley
 -Vegetable of the Season
 -Ginger Shortcake w/
 Strawberries

[Chez Leon Menu](#)

Call x4598 to make your
 reservation.

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 suggestions to:
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security coordinator for the Computing Division. Groups of compromised computers running malicious code allow attackers to access and command all the computers at once, said Mark Leininger, CD's Security Manager. The capabilities of this kind of virus range from profiling and data mining to recording every keystroke.

In Fisk's case, the trojan was so sophisticated that the computer's security system did not detect it. The attackers know the security technology and find ways to exploit it, said Klemencic. "This machine was properly patched and running current antivirus software and was still compromised. Our users are our final line of defense," added Leininger. In addition to avoiding e-mails that have suspicious subjects or senders, the CD team advises employees not to read e-mails in html format, not to click on links in e-mails, and not to open unknown attachments.

Fisk's desktop was down for more than a week while CD ran security checks, removed the virus, reformatted his hard drive and reinstalled its software and files. Fortunately, the trojan did not spread to any other machines. And fortunately for Fisk, his files were backed up on a DZero server and he used a laptop to continue work. But the experience has driven home what he calls that "old admonition": don't trust your e-mail.

--Christine Buckley

Fermilab users can scan their systems for vulnerabilities using CD's ScanMeNow or the new nessquik, available on Fermilab's security [website](#).

In the News***The Stanford Daily*
February 20, 2007****Breakthrough could bring change**

In a space of less than a meter, a team of physicists at the Stanford Linear Accelerator Center (SLAC) managed to accomplish something that normally requires the accelerator's entire three-kilometer length: They increased the energy of an electron by 40 billion volts.

This technological development might signal the beginning of the end for massive multi-billion-dollar "conventional" accelerator technology. Or it might not.

Using a new technology called plasma

Accelerator Division with Chuck Schmidt. As you can see in the [other picture](#), Fermilab is the first exhibitor you see when you enter the display area.

Cheers,
 Herman White, AD

Photo of the Day

Better than Hot Wheels: AD's Elliott McCrory of sent this picture to us on Wednesday. "Doug Moehs (AD/Proton/Linac) created this snow sculpture in his front yard in Naperville," he writes. "He completed it last night."

Announcements**NALWO Cooking Demonstration**

NALWO will host a German cooking demonstration, presented by Selitha Raja and Angela Jostlein on Monday, March 12 from 10:30 a.m. until 2:00 p.m. at Chez Leon in the Users' Center. Come to learn traditional techniques and recipes and stay for lunch to taste the results! Please RSVP to SelithaR@hotmail.com or call Selitha Raja at 630-305-7769.

Housing Assignments for Summer, 2007

The Fermilab Housing Office is now taking requests for houses, apartments, and dormitory rooms for the Summer of 2007. There is a block of women-only dormitory rooms in Aspen East; when you make your request to the Housing Office, you may indicate your preference to stay in the women-only section. Since there will be a large influx of experimenters, and requests are anticipated to be in excess of our available facilities, you are urged to submit your request for reservations to the Housing Office by Thursday, March 1, 2007. Requests can be made for any period and need not commence on any particular date. For further information, please contact the Housing Office at (630) 840-3777, or housing@fnal.gov. Individual housing requests can be made using our housing request form [online](#). (Requests for multiple

wakefield acceleration, scientists from SLAC, USC and UCLA managed to double the energy of an electron that emerged from the linear accelerator to a level that was close to the facility's maximum. Their findings were published in "Nature" on Feb. 15.

"We're trying to invent technology to build another [type of] particle accelerator," said SLAC physicist Mark Hogan, one of the "Nature" paper's co-authors.

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housing units are best handled by direct email to housing@fnal.gov).

Classifieds

New [classified ads](#) have been posted on *Fermilab Today*.

[Upcoming Activities](#)